

DUAL MODE LASER PROJECTION SYSTEM FOR ELECTRONIC AND FILM IMAGES

ABSTRACT OF THE DISCLOSURE

5 A dual mode laser projection system having a film mode and an electronic
mode that can be used to project an image onto a screen. In the film mode an image
is projected by illuminating film with lasers, and in the electronic mode an image is
10 created by modulation of with lasers with data to project an electronic image. The
laser source may comprise a plurality of lasers each providing a different color, such
as red, green, and blue. Laser-CRTs may be used. In some embodiments the laser
source is synchronized with the film aperture so that the laser source is modulated to
illuminate the film aperture only while a frame of the film is stopped. In some
embodiments the color temperature of the light illuminating the film can be selected
by increasing and/or decreasing the relative light intensity contribution of each of the
lasers.